ISSN 2186-1064

北海道立総合研究機構農業試験場報告

第 141 号

Use of genetic diversity on DNA markers to increase forage yield in timothy (*Phleum pratense* L.)

（チモシーにおける収量性改良のための DNA 多型の利用）

平成 27 年 2 月

北海道立総合研究機構　農業研究本部　北見農業試験場

Use of genetic diversity on DNA markers to increase forage yield in timothy (*Phleum pratense* L.)*

博士（環境科学）　田　中　常　喜**

Contents

* 北海道大学審査学位論文
** 北海道立総合研究機構北見農業試験場（〒099-1496 北海道常呂郡訓子府町弥生 52）

Abbreviations

AIC	Akaike's information criterion
AMOVA	analysis of molecular variance
ANOVA	analysis of variance
BLUP	best linear unbiased prediction
CSS	clone and strain synthesis
DMY(s)	dry matter yield(s)
Exp.	experiment
GCA	general combining ability
GEI	genotype-by-environment interaction
GD(s)	genetic distance(s)
GGD	general genetic distance
HFAC	Hokuren Federation of Agricultural Cooperatives
HSD	honestly significant difference
KAES	Kitami Agricultural Experiment Station
NAROH	National Agricultural and Food Research Organization Hokkaido Agricultural Research Center
PC1	first principal coordinate
PC2	second principal coordinate
PCOA	principal coordinate analysis
PCR	polymerase chain reaction
PP(s)	pollen parental strain(s)
PRC(s)	partial regression coefficient(s)
RCBD	randomized complete block design
REML	restricted/residual maximum likelihood
RRS	reciprocal recurrent selection
SCA	specific combining ability
SD	standard deviation
SE	standard error
SGD	specific genetic distance
SSR	simple sequence repeat
SP(s)	seed parental clone(s)
Syn1	first generation of synthetics, first synthetic (generation)
Syn2	second generation of synthetics, second synthetic (generation)
Syn3	third generation of synthetics, third synthetic (generation)
Syn4	fourth generation of synthetics, fourth synthetic (generation)
UPGMA	unweighted pair group mean average

北海道立総合研究機構農業試験場報告　第 141 号

Use of genetic diversity on DNA markers
to increase forage yield in timothy (*Phleum pratense* L.)
（チモシーにおける収量性改良のための DNA 多型の利用）

著　者　　田　中　常　喜

平成 27 年 2 月 27 日　発行
発行者　北海道立総合研究機構　農業研究本部　北見農業試験場
099-1496　北海道常呂郡訓子府町弥生 52
印刷所　株式会社　小林印刷

ISSN 2186-1064